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ATTORNEY DOCKET NO.
11321-P066WOUS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of: Valery N. Khabashesku

Serial No.: 10/559,905

Filing Date: December 8, 2005

Art Unit: 1754

Examiner: Unknown

Title: *Fabrication of Carbon Nanotube Reinforced Epoxy Polymer Composites Using Functionalized Carbon Nanotubes*

Mail Stop: Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

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Applicant hereby submits the following references in accordance with 37 C.F.R. §§ 1.56, 1.97 and 1.98. Copies of the references cited in the attached PTO/SB/08B are enclosed for the examiner's reference. Furthermore, pursuant to 37 C.F.R. § 1.97(g) and (h), no representation is made that this is material to patentability of the present application or that a search has been made.

Applicant hereby submits that claims of Applicant's referenced patent application are patentably distinguishable from these references.

Applicant does not believe that any fees are due at this time; however, the Director of Patents and Trademarks is hereby authorized to charge any fees relating to this Information Disclosure Statement under 37 CFR § 1.17 to Deposit Account No 23-2426 of WINSTEAD SECHREST & MINICK P.C. (referencing matter 11321-P066WOUS).

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Respectfully submitted,

Date: 4/5/07

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CERTIFICATE OF MAILING

I hereby certify that the attached *Information Disclosure Statement* and cited art are being deposited with the USPS, with sufficient postage as first class mail, addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this the 11th day of April, 2007.

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J. E. Dean
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902072v.1 11321/P066WOUS



PTO/SB/08A (04-03)

Approved for use through 04/30/2003. OMB 0651-0031
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Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	10/559,905
		Filing Date	December 8, 2005
		First Named Inventor	Valery N. Khabashesku
		Art Unit	Unknown
		Examiner Name	Unknown
Sheet	1	of	8
		Attorney Docket Number	
		11321-P066WOUS	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	7	WO 02/060812	08/08/02	Rice University		
	8	WO 03/080513	10/02/03	University of Penn		
	9	WO 05/012171	02/10/05	Rice University		

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	10	IIJIMA, "Helical microtubules of graphitic carbon," 354 Nature (1991), pp. 56-58		T ²
	11	IIJIMA et al., "Single-shell carbon nanotubes of 1-nm diameter," 363 Nature, (1993), pp. 603-605		
	12	BAUGHMAN et al., "Carbon Nanotubes-the Route Toward Applications," 297 Science (2002), pp. 787-792		
	13	BERBER et al., "Unusually High Thermal Conductivity of Carbon nanotubes", 84(20) Phys. Rev. Lett. (2000), pp. 4613-4616		
	14	LOURIE et al., "Evaluation of Young's modulus of carbon nanotubes by micro-Raman spectroscopy", 13 J. Mat. Res. (1998), pp. 2418-2422		
	15	WALTERS et al., "Elastic strain of freely suspended single-wall carbon nanotube ropes," 74 Appl. Phys. Lett. (1999), pp. 3803-3805		
	16	ANDREWS, R., et al., "Nanotube composite carbon fibers," 75 Appl. Phys. Lett. (1999), pp. 1329-1331		
	17	BARRERA, "Key Methods for Developing Single-Wall Nanotube Composites," 52 JOM (2000), pp. 38-42		
	18	AUSMAN et al., "Organic Solvent Dispersions of Single-Walled Carbon Nanotubes: Toward Solutions of Pristine Nanotubes", 104 J. Phys. Chem. B. (2000), pp. 8911-8915		
	19	BAHR et al., "Dissolution of small diameter single-wall carbon nanotubes in organic solvents," Chem. Commun. (2001), pp. 193-194		

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	20	LOURIE, et al., "Transmission electron microscopy observations of fracture of single-wall carbon nanotubes..", 73 Appl. Phys. Lett. (1998), pp. 3527-29		
	21	GENG et al., "Fabrication and Properties of Composites of Poly(ethylene oxide)..", 14 Adv. Mater. (2002), pp. 1387-1390		
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	28	BIERCUK et al., "Carbon nanotube composites for thermal management", 80 (15) Appl. Phys. Lett. (2002), pp. 2767-2769		
	29	TIANO ET AL., "Functionalization of Single-Wall nanotubes for Improved Structural Composites", 32nd SAMPE Conf. (2000)		

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	31	GARG et al., "Effect of chemical functionalization on the mechanical properties of carbon nanotubes", 295 Chem. Phys. Lett. (1998), pp. 275-278		
	32	FRANKLAND et al., "Molecular Simulation of the Influence of Chemical Cross-Links on the Shear Strength of Carbon nanotube..", 106 J. Phys. Chem. B. (2002), pp. 3046-48		
	33	LIU et al., "Fullerene Pipes," 280 Science (1998), pp. 1253-1256		
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	35	BAHR et al., "Covalent chemistry of single-wall carbon nanotubes," 12 J. Mater. Chem. (2002), pp. 1952-1958		
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	40	CHEN, J., et al., "Dissolution of Full-Length Single-Walled Carbon Nanotubes", 105 J. Phys. Chem. B (2001), pp. 2525-2528		
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